



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Susumu UEHARA et al.

Application No.: 10/733,303

Filed: December 12, 2003

Docket No.: 118052

For: OPTICAL GLASS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language references is discussed in the present specification. (Refs. 1-11, 13-17)
- ☒ 3. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information. (Refs. 7, 10, 12, 16-17)
- ☒ 4. English-language Abstracts of the non-English language references are attached hereto. (Refs. 5,8-17)

- ☒ 5. A computer-generated English translation of the following Japanese references has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See References 11-17.

Respectfully submitted,



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|   |    |   |            |                                    |                 |                               |  |
|---|----|---|------------|------------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449<br>(REV. 8-83)  |    | US Dept. of Commerce<br>PATENT & TRADEMARK OFFICE |            | ATTY DOCKET NO.<br>118052          |                 | APPLICATION NO.<br>10/733,303 |  |
| INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary)   |    |   |            | APPLICANTS<br>Susumu UEHARA et al. |                 |                               |  |
|   |    |   |            | FILING DATE<br>December 12, 2003   |                 |                               |  |
| U.S. PATENT DOCUMENTS   |    |   |            |                                    |                 |                               |  |
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER                                   | DATE       | NAME                               | CLASS           | SUB<br>CLASS                  |  |
| FOREIGN PATENT DOCUMENTS  |    |   |            |                                    |                 |                               |  |
|   |    | DOCUMENT NUMBER                                   | DATE       | COUNTRY                            | CLASS           | SUB<br>CLASS                  |  |
|   | 1  | JP 52-14607                                       | 02/03/1977 | Japan                              |                 |                               |  |
|   | 2  | JP 52-129716                                      | 10/31/1977 | Japan                              |                 |                               |  |
|   | 3  | JP 52-155614                                      | 12/24/1977 | Japan                              |                 |                               |  |
|   | 4  | JP 53-4023  | 01/14/1978 | Japan                              |                 |                               |  |
|   | 5  | JP 54-002646 w/ abst                              | 01/10/1979 | Japan                              |                 |                               |  |
|   | 6  | JP 54-6042  | 01/17/1979 | Japan                              |                 |                               |  |
|   | 7  | JP A 54-90218                                     | 07/17/1979 | Japan                              |                 |                               |  |
|   | 8  | JP A 60-046948 w/ abst                            | 03/14/1985 | Japan                              |                 |                               |  |
|   | 9  | JP A 60-221338 w/ abst                            | 11/06/1985 | Japan                              |                 |                               |  |
|   | 10 | JP A 62-100449 w/ abst                            | 05/09/1987 | Japan                              |                 |                               |  |
|   | 11 | JP A 6-122526 w/ abst & trans                     | 05/06/1994 | Japan                              |                 |                               |  |
|   | 12 | JP A 7-118033 w/ abst & trans                     | 05/09/1995 | Japan                              |                 |                               |  |
|   | 13 | JP A 7-165431 w/ abst & trans                     | 06/27/1995 | Japan                              |                 |                               |  |
|   | 14 | JP A 8-217484 w/ abst & trans                     | 08/27/1996 | Japan                              |                 |                               |  |
|   | 15 | JP A 8-319214 w/ abst & trans                     | 12/03/1996 | Japan                              |                 |                               |  |
|   | 16 | JP A 2001-348244 w/ abst & trans                  | 12/18/2001 | Japan                              |                 |                               |  |
|   | 17 | JP A 2003-267748 w/ abst & trans                  | 09/25/2003 | Japan                              |                 |                               |  |
| EXAMINER  |    |   |            |                                    | DATE CONSIDERED |                               |  |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |   |            |                                    |                 |                               |  |

Date: June 28, 2004

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03/15978

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. C03C3/068, G02B1/02

According to International Patent Classification (IPC) or to both National Classification and IPC

## B. FIELDS SEARCHED

Minimum Documentation Searched (classification system followed by classification symbols)

Int. Cl. C03C1/00-14/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

1922-1996

1971-2004

1996-2004

1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

INTERGLAD Ver. 5

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category <sup>a</sup> | Citation of Document, with indication, where appropriate, of the relevant passages  | Relevant to Claim No. |
|-----------------------|---|-----------------------|
| Y                     | US 2002/0006857 A1 (Kazuo TACHIWAMA), 2002.01.17<br>Claim 1, 5, 19-22 [0047], [0048] 2-4<br>& DE 10126554 A1 & CN 1326904 A & JP 2001-348244 A<br>Claims 1, 5, 6, 14, [0004], [0032], [0033], 2-4 | 1-11                  |
| Y                     | JP 7-118033 A 1995.05.09,<br>1, 2, [0003], [0015], [0019], 1-6  | 1-11                  |
| Y                     | JP 62-100449 A 1987.05.09,<br>1, 2, 17, 2, 2, 3-20, 3 5-10, 1   | 1-11                  |
| A                     | JP A 54-90218 A 1979.07.17,<br>1, 2-5   | 1-11                  |
| PX                    | US 2003/0211929 A1 (Kazutaka HA YASHI),<br>2003.11.13, 3, [0002], [0060], 1-7 (No. 7, 24, 50, 58)<br>& CN 1445188 A & JP 2003-267748 A, 3, [001], [0048]<br>1-6 (No. 7, 24, 50, 58)               | 1-11                  |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.<sup>a</sup>Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the Actual Completion of the International Search  
02.03.2004Date of Mailing of the International Search Report  
16.03.2004Name and mailing address of ISA/JP  
100-8915

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